

IN THE CLAIMS:

1. (Currently amended) [[A]] An oral composition for inhibiting the growth of oral bacteria including a bioactive agent, and [[a]] an oral pharmaceutically acceptable carrier, wherein said bioactive agent comprises:

about 5.0 wt% to 15 wt% of [[an]] a holistic extract of the *Centipeda* genus in an amount effective to inhibit inflammation of oral tissue;

about 10 wt% to about 35 wt% coenzyme Q10;

about 10 wt% to about 35 wt% aloe vera;

about 10 wt% to about 35 wt% folic acid; and

about 2 wt% to 10 wt% Vitamin E;

wherein the percentages are based on total weight of the bioactive agent.

2. (Currently amended) The composition of claim 1, wherein said bioactive agent is included in the oral composition in an amount of 5 wt% to 15 wt% based on the weight of the composition, and said composition comprises about 0.5% to about 1.0% by weight of said extract of the *Centipeda* genus based on the weight of the composition.

3. (Original) The composition of claim 1, wherein said extract of the *Centipeda* genus is *Centipeda cunninghami*.

Claim 4 (Cancelled)

5. (Previously presented) The composition of claim 1, wherein said extract of *Centipeda cunninghami* is an alcohol soluble extract.

6. (Original) The composition of claim 5, wherein said extract of *Centipeda cunninghami* is a mixture of an alcohol soluble fraction and a water soluble fraction.

7. (Currently amended) The composition of claim [[4]] 1, wherein said composition contains about 0.5 wt% to about 1.5 wt% of an extract of *Centipeda cunninghami* as said extract of *Centipeda* genus, about 0.5 wt% to about 1.5 wt% aloe vera extract, about 0.01 wt% to about 0.1 wt% coenzyme Q10, and about 0.5 wt% to about 1.5 wt% folic acid based on the total weight of the composition.

Claim 8 (Cancelled)

9. (Currently amended) The composition of claim 1, further comprising at least one component selected from the group consisting of chlorophyll KK, peppermint oil, oregano oil, lavender oil, clove bud oil, thyme oil, eucalyptus oil, cinnamon bark oil, bio-saponin concentrate, folic acid, prickly ash bark extract, calendula extract, echinacea extract, gotu kola extract, chamomile extract, olive leaf extract, black walnut hull extract, grapefruit seed extract, and green tea extract, wherein said at least one component is included in an amount of about 1.0 wt% to about 10 wt% based on the total weight of the bioactive agent.

10. (Currently amended) [[A]] An oral composition for inhibiting the growth of oral bacteria, wherein said composition includes an effective amount of a bioactive agent which comprises:

about 0.5 wt% to about 1.5 wt% aloe vera extract;

about 0.05 wt% to about 0.2 wt% folic acid;
about 0.25 wt% to about 0.75 wt% prickly ash bark extract;
about 1.0 wt% to about 1.5 wt% calendula extract;
about 0.75 wt% to about 1.5 wt% echinacea extract;
about 0.25 wt% to about 0.75 wt% gotu kola extract;
about 0.75 wt% to about 1.5 wt% chamomile extract;
about 0.5 wt% to about 1.0 wt% *Centipeda cunninghami* extract;
about 0.05 wt% to about 0.1 wt% olive leaf extract;
about 0.02 wt% to about 0.1 wt% black walnut hull extract;
about 0.03 wt% to about 0.1 wt% grape fruit seed extract;
about 0.01 wt% to about 1.0 wt% green tea extract;
less than 0.1 wt% chlorophyll KK;
about 1.5 wt% to about 2.5 wt% peppermint oil;
about 0.2 wt% to about 1.0 wt% oregano oil;
about 0.1 wt% to about 0.5 wt% lavender oil;
about 0.1 wt% to about 0.5 wt% clove bud oil;
about 0.05 wt% to about 0.1 wt% thyme oil;
about 0.05 wt% to about 0.1 wt% eucalyptus oil;
about 0.02 wt% to about 0.1 wt% cinnamon bark oil;
about 0.5 wt% to about 1.5 wt% bio-saponin; and
about 0.02 wt% to about 0.1 wt% coenzyme Q10;
wherein said percentages are based on the weight of the composition.

11. (Original) The composition of claim 1, wherein said composition is a liquid, cream, gel or paste.

12. (Currently amended) ~~[[A]]~~ An oral composition comprising a bioactive agent for inhibiting the growth of oral bacteria and treating inflammation of gum tissue, the composition comprising:

0.5 wt% to 1.0 wt% *Centipeda cunninghami* extract in an amount to inhibit inflammation of oral tissue and promote cell renewal;

0.1 wt% to 0.4 wt% coenzyme Q10;

0.5 to 1.5 wt% aloe vera; [[and]]

0.5 wt% to 1.0 wt% folic acid; and

about 1.0 wt% to about 10 wt% of an antiseptic agent selected from the group consisting of oregano oil, clove oil, oil of lavender, thyme oil, and mixtures thereof; wherein the percentages are based on the weight of the composition.

13. (Currently amended) The ~~bioactive agent~~ composition of claim 12, further comprising a pharmaceutically acceptable carrier.

14. (Currently amended) The ~~bioactive agent~~ composition of claim 12, wherein said bioactive agent comprises about 9 wt% to about 11 wt% of said *Centipeda cunninghami* extract.

Claim 15 (Cancelled)

16. (Currently amended) The ~~bioactive agent~~ composition of claim 12, wherein said *Centipeda cunninghami* extract is a holistic extract and contains an alcohol soluble fraction and a water soluble fraction.

17. (Currently amended) The ~~bioactive agent~~ composition of claim 12, ~~further comprising at least one component selected from the group consisting wherein said~~ composition comprises a mixture of chlorophyll KK, peppermint oil, oregano oil, lavender oil, clove bud oil, thyme oil, eucalyptus oil, cinnamon bark oil, bio-saponin concentrate, folic acid, prickly ash bark extract, calendula extract, echinacea extract, gotu kola extract, chamomile extract, olive leaf extract, black walnut hull extract, grapefruit seed extract, and green tea extract in an amount to inhibit the growth of oral bacteria and treat inflammation.

18. (Currently amended) A bioactive agent for inhibiting growth of oral bacteria and treating inflammation of gum tissue, where the bioactive agent is included in a composition comprising:

about 0.5 wt% to about 1.5 wt% aloe vera extract;

about 0.05 wt% to about 0.2 wt% folic acid;

about 0.25 wt% to about 0.75 wt% prickly ash bark extract;

about 1.0 wt% to about 1.5 wt% calendula extract;

about 0.75 wt% to about 1.5 wt% echinacea extract;

about 0.25 wt% to about 0.75 wt% gotu kola extract;

about 0.75 wt% to about 1.5 wt% chamomile extract;

about 0.5 wt% to about 1.0 wt% *Centipeda cunninghami* extract;

about 0.05 wt% to about 0.1 wt% olive leaf extract;

about 0.02 wt% to about 0.1 wt% black walnut hull extract;
about 0.03 wt% to about 0.1 wt% grape fruit seed extract;
about 0.01 wt% to about 1.0 wt% green tea extract;
less than 0.1 wt% chlorophyll KK;
about 1.5 wt% to about 2.5 wt% peppermint oil;
about 0.2 wt% to about 1.0 wt% oregano oil;
about 0.1 wt% to about 0.5 wt% lavender oil;
about 0.1 wt% to about 0.5 wt% clove bud oil;
about 0.05 wt% to about 0.1 wt% thyme oil;
about 0.05 wt% to about 0.1 wt% eucalyptus oil;
about 0.02 wt% to about 0.1 wt% cinnamon bark oil;
about 0.5 wt% to about 1.5 wt% bio-saponin; and
about 0.02 wt% to about 0.1 wt% coenzyme Q10,
wherein the percentages are based on the weight of the composition.

19. (Currently amended) The ~~composition containing said~~ bioactive agent of claim 18, wherein said composition comprises a liquid, cream, gel or paste carrier and where said bioactive agent is included in an amount of about ~~[[0.5]]~~ 5 wt% to about ~~[[1.5]]~~ 15 wt%.

20. (Currently amended) The ~~composition~~ bioactive agent of claim ~~[[19]]~~ 18, wherein said composition is a mouthwash, dentifrice, paste or gel.

21. (Currently amended) The ~~composition~~ bioactive agent of claim 18, wherein said carrier comprises glycerin.

22. (Currently amended) A method of treating periodontal infection, inhibiting the growth of oral bacteria and treating inflammation comprising:

topically applying a composition to a target site of an animal in need thereof in an amount effective to inhibit bacterial growth and reduce inflammation of gum tissue caused by periodontal infection, said composition including an effective amount of a bioactive agent, said composition comprising:

0.5 wt% to 1.0 wt% of a *Centipeda cunninghami* extract;

0.1 wt% to 0.4 wt% coenzyme Q10;

0.5 wt% to 1.5 wt% aloe vera; and

0.5 wt% to 1.0 wt% folic acid,

wherein the percentages are based on the weight of the composition.

23. (Currently amended) The method of claim 22, wherein said composition comprises a carrier and where said bioactive agent is included in an amount of about ~~[[0.5]]~~ 5 wt% to about ~~[[1.5]]~~ 25 wt% based on the total weight of said composition.

24. (Original) The method of claim 22, wherein said composition is a paste or gel, and said method comprises applying said composition directly to infected gum surfaces.

25. (Original) The method of claim 22, wherein said composition is an aqueous rinse and said method comprises rinsing said target site with said composition.

26. (Currently amended) A method of treating periodontal infection and inhibiting growth of oral bacteria and treating inflammation by applying a composition to a target site, wherein said composition further comprises:

about 0.5 wt% to about 1.5 wt% aloe vera extract;
about 0.05 wt% to about 0.2 wt% folic acid;
about 0.25 wt% to about 0.75 wt% prickly ash bark extract;
about 1.0 wt% to about 1.5 wt% calendula extract;
about 0.75 wt% to about 1.5 wt% echinacea extract;
about 0.25 wt% to about 0.75 wt% gotu kola extract;
about 0.75 wt% to about 1.5 wt% chamomile extract;
about 0.5 wt% to about 1.0 wt% *Centipeda cunninghami* extract;
about 0.05 wt% to about 0.1 wt% olive leaf extract;
about 0.02 wt% to about 0.1 wt% black walnut hull extract;
about 0.03 wt% to about 0.1 wt% grape fruit seed extract;
about 0.01 wt% to about 1.0 wt% green tea extract;
less than 0.1 wt% chlorophyll KK;
about 1.5 wt% to about 2.5 wt% peppermint oil;
about 0.2 wt% to about 1.0 wt% oregano oil;
about 0.1 wt% to about 0.5 wt% lavender oil;
about 0.1 wt% to about 0.5 wt% clove bud oil;
about 0.05 wt% to about 0.1 wt% thyme oil;
about 0.05 wt% to about 0.1 wt% eucalyptus oil;
about 0.02 wt% to about 0.1 wt% cinnamon bark oil;
about 0.5 wt% to about 1.5 wt% bio-saponin; and

about 0.02 wt% to about 0.1 wt% coenzyme Q10,

wherein each of said extracts are included in an effective amount to treat inflammation and inhibit growth of oral bacteria and where the percentages are based on the weight of the bioactive agent.

27. (Currently amended) The method of claim 22, wherein said bioactive agent comprises about 10 wt% to 35 wt% *Centipeda cunninghami* extract, about 10 wt% to about 35 wt% coenzyme Q10, about 10 wt% to about 35 wt% folic acid, and about 10 wt% to about 35 wt% aloe vera gel based on the weight of the bioactive agent.

28. (Currently amended) The method of claim 22, wherein said bioactive agent further comprises at least one component selected from the group consisting of chlorophyll KK, peppermint oil, oregano oil, lavender oil, clove bud oil, thyme oil, eucalyptus oil, cinnamon bark oil, bio-saponin concentrate, folic acid, prickly ash bark extract, calendula extract, echinacea extract, gotu kola extract, chamomile extract, olive leaf extract, black walnut hull extract, grapefruit seed extract, and green tea extract in an amount to inhibit the growth of oral bacteria and treat inflammation where said at least one component is included in an amount of 1.0 wt% to 10 wt% based on the weight of the bioactive agent.

29. (Currently amended) The method of claim 22, wherein said bioactive agent further comprises Vitamin E in an amount of about 2 wt% to about 10 wt% based on the weight of the bioactive agent.

30. (New) The composition of claim 12, wherein said composition further comprises an antibacterial agent selected from the group consisting of calendula extract, echinacea purpurea extract, chamomile oil, cinnamon bark oil, and mixtures thereof.

31. (New) The composition of claim 12, further comprising about 1.0 wt% to about 10 wt% of prickly ash bark extract, calendula extract, echinacea extract, gotu kola extract, chamomile extract, olive leaf extract, black walnut hull extract, and grapefruit seed extract.

32. (New) The composition of claim 31, further comprising about 1.0 wt% to about 10 wt% green tea extract and chlorophyll KK.

33. (New) The composition of claim 32, further comprising about 1.0 wt% to about 10 wt% peppermint oil, clove bud oil, and cinnamon bark oil.